AMENDMENTS TO THE CLAIMS

Pursuant to 37 C.F.R. § 1.121 the following listing of claims will replace all prior versions, and listings, of claims in the application.

Claim 1. (Currently Amended) A method for determining a type of an option spread based upon options received from an input device comprising, the steps of:

        (a) determining a first previous option count;

        (b) receiving a first option <u>free of buy/sell indicators,</u> from an input device, comprising an optioncode, a contract, a strike, and a callput;

        (c) assigning a quantity for the first option;

        (d) determining a second previous option count;

        (e) receiving a second option <u>free of buy/sell indicators,</u> from an input device, comprising an optioncode, a contract, a strike, and a callput;

        (f) comparing the second option to the first option;

        (g) assigning a quantity for at least one of the first option and the second option based upon the comparison of the second option to the first option; and,

        (h) determining a type of option spread based upon at least one of the first and second option counts, the comparison of the second option to the first option, and the assigned quantities of the first and second options<u>, wherein the determined type of option spread defines at least a combination of buy/sell indicators</u>.

Claim 2. (Currently Amended) A method as in claim 1, further comprising, the step of:

        (i)   calculating a ~~price~~ <u>valuation</u> for the option spread.

Claim 3. (Original) A method as in claim 2, further comprising, the step of:

        (j) naming the option spread.

Claim 4. (Original) A method as in claim 3, further comprising, the step of:

(k) calculating at least one of a delta, gamma, Vega, theta, and an implied volatility of at least one of the first option, the second option, and the option spread;

wherein the delta indicates price sensitivity to changes in price of an underlying asset for the option;

wherein the gamma indicates delta sensitivity to changes in price of the underlying asset for the option;

wherein the vega indicates price sensitivity to changes in

wherein the theta indicates price sensitivity to changes in time until expiration of the option; and, wherein the implied volatility indicates a particular volatility derived from market price.

Claim 5. (Original) A method as in claim 4, wherein the delta, gamma, vega, theta, and implied volatility is calculated as at least one of an aggregate value and a subtotal by underlying asset.

Claim 6. (Currently Amended) A method as in claim 4, further comprising, the step of:

(l) sending at least one of the quantity, ~~price~~valuation, name, delta, gamma, vega, theta, and implied volatility to a display device.

Claim 7. (Original) A method as in claim 1, further comprising, the step of: sending the optioncode, contract, strike, and callput of the first option to a display device.

Claim 8. (Currently Amended) A method as in claim 7 further comprising, the step of:

(k) displaying at least one of the quantity, name, ~~price~~valuation, delta, gamma, vega, theta, and implied volatility on the display device.

Claim 9. (Original) A method as in claim 7 further comprising, the step of:

displaying the optioncode, contract, strike, and callput of the first option on the display device.

Claim 10. (Original) A method as in claim 1 wherein the input device is at least one of a mouse, a keyboard, a light emitting diode device, a touch screen, and a tracking ball.

Claim 11. (Original) A method as in claim 1 wherein the option spread is at least one of a straddle, a ratio vertical put spread, a vertical put spread, a calendar put spread, a calendar vertical put spread, a ratio calendar put spread, a ratio vertical calendar put spread, a calendar fence/collar, a calendar ratio fence/collar, a calendar strangle, a fence/collar, a ratio fence/collar, a strangle, a conversion, a synthetic long futures, a synthetic short futures, a ratio vertical call spread, a vertical call spread, a calendar call spread, a calendar vertical call spread, a ratio calendar call spread, and a ratio vertical calendar put spread.

Claim 12. (Currently Amended) A method for determining a type of option spread based upon a sequence of options received from an input device comprising, the steps of:

(a) receiving a sequence of options free of buy/sell indicators, from an input device, each option comprising an optioncode, a contract, a strike, and a callput;

(b) comparing the optioncode, contract, strike, and callput of each option with the optioncode, contract, strike, and callput of each other option in the sequence;

(c) assigning a predetermined quantity to the option first received in the sequence of options;

(d) assigning a quantity for each option other than the option first received based upon the comparison of each option with respect to each other option and the quantity of each option with respect to each other option; and

(e) determining a type of option spread based upon the comparison of each option with each other option and the assigned quantity of each option, wherein the determined type of option spread defines at least a combination of buy/sell indicators.

Claim 13. (Currently Amended) A method as in claim 12 further comprising, the step of:

(f) calculating a ~~price~~ valuation of the option spread.

Claim 14. (Original) A method as in claim 13 further comprising, the step of:

(g) naming the option spread.

Claim 15. (Original) A method as in claim 14 further comprising, the step of:

(h) calculating at least one of a delta, gamma, vega, theta, and an implied volatility of at least one of said option in the sequence of options and in the option spread;

wherein the delta indicates price sensitivity to changes in price of the underlying asset for the option;

wherein the gamma indicates delta sensitivity to changes in price of an underlying asset for the option;

wherein the vega indicates price sensitivity to changes in expected volatility;

wherein the theta indicates price sensitivity to changes in time until expiration of the option; and,

wherein the implied volatility indicates a particular volatility derived from market price.

Claim 16. (Currently Amended) A method as in claim 15 further comprising, the step of:

(i) sending at least one of the quantity, ~~price~~valuation, name, delta, gamma, vega, theta, and implied volatility to a display device.

Claim 17. (Currently Amended) A method as in claim 16, further comprising, the step of:

(i) displaying at least one of the quantity, ~~price~~valuation, name, delta, gamma, vega, theta, and implied volatility on the display device.

Claim 18. (Original) A method as in claim 12 wherein the input device is at least one of a mouse, keyboard, a light emitting diode device, a touch screen, and a tracking ball.

Claim 19. (Original) A method as in claim 12 wherein the option spread is at least one of a straddle, a ratio vertical put spread, a vertical put spread, a calendar put spread, a calendar vertical put spread, a ratio calendar put spread, a ratio vertical calendar put spread, a calendar fence/collar, a calendar ratio fence/collar, a calendar strangle, a fence/collar, a ratio fence/collar, a strangle, a conversion, a synthetic long futures, a synthetic short futures, a ratio vertical call spread, a vertical call spread, a calendar call spread, a calendar vertical call spread, a ratio calendar call spread, a ratio vertical calendar put spread, 3-way call spread versus a put, 3-way put spread versus a call, call tree, put tree, butterfly, iron butterfly, and straddle spread.

Claim 20. (Currently Amended) A method for determining a type of option spread based upon a sequence of user selections received from an input device comprising, the steps of:

displaying a set of grids on a display device, each grid representing an optioncode and comprising a set of selectable options;

receiving a sequence of user selections, free of buy/sell indicators, chosen from the set of selectable options, each user selection comprising an optioncode, a contract, a strike, and a callput;

comparing the optioncode, contract, strike, and callput of each user selection with each other user selection in the sequence;

assigning a predetermined quantity for the user selection first received in the sequence;

assigning a quantity for each user selection other than the user selection first received based upon the comparison of each user selection with each other user selection and the assigned quantity of each user selection; and

determining a type of option spread based upon the comparison of each user selection with each other user selection and the assigned quantity of each user selection, wherein the determined type of option spread defines at least a combination of buy/sell indicators.

Claim 21. (Original) A method as in claim 20, wherein each grid comprises an x-axis and a y-axis, the x-axis comprises a set of contract and callput selections while the y-axis comprises a set of strike selections or vice versa.

Claim 22. (Original) A method as in claim 20, wherein the comparing step occurs prior to at least one of a predefined time out and a receipt of a clear instruction.

Claim 23. (Currently Amended) A method for determining a type of option spread based upon a sequence of user selections, free of buy and sell indicators, received from an input device, comprising the steps of:

~~viewing~~ presenting a set of grids on a display device, each grid representing a single optioncode and comprising a set of selectable boxes;

~~selecting~~ accepting a selection of a sequence of boxes, each selection in the sequence comprising ~~on~~ an optioncode, a contract, a strike, and a callput; and

~~receiving~~ providing, for the selected sequence, a determined type of option spread, an option spread name, an option spread price, and at least ~~one of a positive and negative quantity~~ a combination of buy/sell indicators for the option spread.

Claim 24. (Currently Amended) A method as in claim 23, further comprising, the step of[[:]] ~~receiving~~ assigning a quantity, inclusive of at least one of a positive and negative sign, for each user selection in the sequence.

Claim 25. (Currently Amended) A method as in claim 24, further comprising, the step of:

~~receiving~~ calculating at least one of a calculated delta, gamma, vega, theta, and implied volatility of at least one of said selection in the sequence and the option spread;

wherein the delta indicates price sensitivity to changes in price of an underlying asset for the option;

wherein the gamma indicates delta sensitivity to changes in price of an underlying asset

for the option;

wherein the vega indicates price sensitivity to changes in expected volatility;

wherein the theta indicates price sensitivity to changes in time until expiration of the option; and,

wherein the implied volatility indicates a particular volatility derived from market price.

Claim 26. (Original) A method as in claim 23, wherein each grid comprises an x-axis and a y-axis, the x-axis comprises a set of contract and the callput selections while the y-axis comprises a set of strike selections or vice versa.

Claim 27. (Currently Amended) A method as in claim 23, further comprising, the step of:

saving the ~~received~~provided option spread to a watch list for an update on the ~~price~~valuation of the option spread.

Claim 28. (Currently Amended) A method as in claim 23, further comprising, the ~~step~~ steps of:

instructing a sign change of the ~~received~~provided option spread that reverses the sign of the ~~received~~provided quantity for at least one user selection in the sequence; and,

receiving, based upon the sign change instruction, a determined type of option spread, a corresponding ~~renamed~~ option spread name and a ~~recalculated~~ option spread ~~price~~valuation ~~based upon the sign change instruction~~.

Claim 29. (Currently Amended) A method as in claim 25, further comprising, the step of:

instructing a sign change of the ~~received~~provided option spread that reverses the sign of the ~~received~~provided quantity for at least one user selection in the sequence; and,

receiving a recalculated at least one of a delta, gamma, vega, theta, and implied volatility.

Claim 30. (Currently Amended) A method as in claim 25, further comprising, the step of:

instructing a sign change of a second selection in the sequence that reverses the sign of the ~~received~~provided quantity for each user selection in the sequence; and,

receiving a recalculated at least one of a delta, gamma, vega, theta, and implied volatility.

Claim 31. (Currently Amended) A method as in claim 23, further comprising, the step of: adding a hedge with a user specified ~~price~~valuation; and receiving a recalculated option spread price in accordance with the added hedge.

Claim 32. (Currently Amended) A method as in claim 23, further comprising, the step of: adding a hedge with a market specified ~~price~~valuation; and receiving a recalculated option spread price in accordance with the added hedge.

Claim 33. (Original) A computer system for determining a type of option spread, the computer system comprising:

a memory; and

a processor interconnected with the memory and having at least one software component loaded therein;

wherein the software component causes the processor to execute the steps of method according to claim 20.

Claim 34. (Currently Amended) A computer program product comprising a computer readable medium having a software component encoded thereon in computer readable form, wherein the software ~~may be loaded~~ is loadable into the memory of a computer system and cause

a processor interconnected with the memory to execute the steps of a method according to claim 20.

Claim 35. (New) A system for receiving at least one option spread, comprising:

a memory;

a processor;

a plurality of computer executable instructions operative on the processor for:

receiving a type of option spread determined in accordance with Claim 20.